

Amendment Under 37 C.F.R. § 1.111
 USSN 10/766,840

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A data transmission cable for connection to mobile devices, comprising at least two insulated conductors twisted into a pair, in which the pair is enclosed by an electric shield which is surrounded by a jacket made of an insulating material, ~~characterized in that~~wherein

the two conductors ~~(1, 2)~~ which are insulated by a solid unfoamed material are twisted together with two strands ~~(4, 5)~~ made of a foamed insulating material to form a core ~~(S)~~,

the core ~~(S)~~ is enclosed by a first foil ~~(6)~~ made of a foamed insulating material to form an insulated core, and

the shield ~~(7)~~ which ~~is formed around the first foil (6)~~ comprises at least one metal strip ~~made of an electrically well conducting material that is formed into a closed tubular sleeve~~ comprises three layers, with an inner metal strip that has a metal layer and an insulating layer, an outer metal strip that is made of two metal layers and an insulating layer disposed therebetween, and a stranding made of tin-plated copper wires arranged over the outer metal strip with ≥ 10% coverage, and

the inner metal strip with the metal layer facing outward is wound around a core structure with a gap while the outer metal strip is wound around the inner metal strip also with a

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gap staggered with respect to, and thereby covering, the gap of the inner metal strip, said core structure comprising at least one said insulated core.

2. (Canceled) A cable as claimed in claim 1, characterized in that the metal strip is made of copper.

3. (Canceled) A cable as claimed in claim 1, characterized in that the metal strip is made of tin-plated copper.

4. (Currently Amended) ~~A cable as claimed in claim 1, characterized in that data~~
transmission cable for connection to mobile devices, comprising at least two insulated
conductors twisted into a pair, in which the pair is enclosed by an electric shield which is
surrounded by a jacket made of an insulating material, wherein
the two conductors which are insulated by a solid unfoamed material are twisted to, either
with two strands made of a foamed insulating material to form a core,
the core is enclosed by a first foil made of a foamed insulating material to form an
insulated core,

the shield (7) comprises ~~two layers of~~ inner and outer metal strips (8, 9), which are made as tubular hollow strands braided from wires and are subsequently pressed into metal strips, and

the inner metal strip (8) is wound around a core structure ~~the first foil (6) made of a~~
~~foamed insulating material~~ with a gap (10), while the outer metal strip (9) is wound around the

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inner metal strip (8) also with a gap (4) staggered with respect to, and ~~hereby~~hereby covering, the gap (10) of the inner metal strip (8), said core structure comprising at least one said insulated core.

5. (Currently Amended) A cable as claimed in claim 4, ~~characterized in that where~~ in a stranding of tin-plated copper wires (12) is placed over the outer metal strip (9) with $\geq 90\%$ coverage.

6. (Canceled) A cable as claimed in claim 1, characterized in that the shield (7) comprises three layers, with an inner metal strip (15) that has a metal layer and an insulating layer, an outer metal strip (17) that is made of two metal layers and an insulating layer disposed therebetween, and a stranding made of tin-plated copper wires (11) arranged over the outer metal strip (16) with $\geq 90\%$ coverage, and the inner metal strip (15) with the metal layer facing outward is wound around the first foil (6) made of a foamed insulating material with a gap (16) while the outer metal strip (17) is wound around the inner metal strip (15) also with a gap (18) staggered with respect to, and thereby covering, the gap (16) of the inner metal strip (15).

7. (Currently Amended) A cable as claimed in claim 14, ~~characterized in that where~~ in said core structure comprises at least two said insulated cores (8) enclosed by a first foil (6) made of a foamed insulating material are twisted together with at least two second strands

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(20)-made of a foamed insulating material to form a unit which is enclosed by a second foil (22)
 made of a foamed insulating material, and
 the shield (7)-is placed over the second foil-(22).

8. (Currently Amended) A cable as claimed in claim 6, data transmission cable for connection to mobile devices, comprising at least two insulated conductors twisted into a pair, in which the pair is enclosed by an electric shield which is surrounded by a jacket made of an insulating material, wherein

the two conductors which are insulated by a solid unfoamed material are twisted together with two strands made of a foamed insulating material to form a core,

the core is enclosed by a first foil made of a foamed insulating material to form an insulated core,

the shield is formed around a core structure and comprises at least one metal strip made of an electrically well conducting material that is formed into a closed tubular sleeve wherein
characterized in that

said core structure comprises at least two said insulated cores; (S)-enclosed by a first foil
(6)-made of a foamed insulating material are twisted together with at least two second strands
(20)-made of a foamed insulating material to form a unit which is enclosed by a second foil (22)
made of a foamed insulating material, and

the said shield (7)-is placed over the second foil-(22).

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9. (Currently Amended) A cable as claimed in claim 61, ~~characterized in that where in~~
the metal layers of the metal strips ~~(15, 17)~~ used for the shield ~~(7)~~ are made of copper.

10. (Currently Amended) A cable as claimed in claim 16, ~~characterized in that where in~~
the insulating material of the metal strips ~~(15, 17)~~ of the shield ~~(7)~~ are made of polyester.

11. (Currently Amended) A cable as claimed in claim 1, ~~characterized in that where in~~ the
strands ~~(4, 5, 20)~~ of a foamed insulating material are made of polyethylene or polypropylene.

12. (Currently Amended) A cable as claimed in claim 1, ~~characterized in that where in~~ the
foamed foils ~~(6, 22)~~ are made of polytetrafluoroethylene.

13. (Currently Amended) A cable as claimed in claim 1, ~~characterized in that where in~~ the
~~two inner and outer~~ metal strips ~~(8, 9; 15, 17)~~ of the shield ~~(7)~~ are stranded or wound in the same
direction.

14. (Currently Amended) A cable as claimed in claim 13, ~~characterized in that where in~~
the ~~two inner and outer~~ metal strips ~~(8, 9; 15, 17)~~ of the shield ~~(7)~~ are stranded or wound at the
same angle.

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15. (Original) The use of a cable as claimed claim 1 for transmission rates of at least 100 Mbit/sec.

Please add the following new claims:

16. (New) A cable as claimed in claim 4, wherein the strands of a foamed insulating material are made of polyethylene or polypropylene.

17. (New) A cable as claimed in claim 4, wherein the foils are made of polytetrafluoroethylene.

18. (New) A cable as claimed in claim 4, wherein the inner and outer metal strips of the shield are stranded or wound in the same direction.

19. (New) A cable as claimed in claim 18, wherein the inner and outer metal strips of the shield are stranded or wound at the same angle.

20. (New) The use of a cable as claimed claim 4 for transmission rates of at least 100 Mbit/sec.